

ABSTRACT OF THE INVENTION

An analog/digital recording and playback system that is capable of recording and playing back a digital signal to and from a memory array at a different data rate than the sampling and retrieval of an analog signal to and from the memory array. This is accomplished by converting the digital signal into a continuous-time analog signal or vice-versa at a first sampling rate. Then, recording or retrieving analog samples of the continuous-time analog signal to and from the memory array at a second sampling rate. The first and second sampling rate need not be the same. This feature makes the analog recording and playback section independent of the digital recording and playback section of the system. An advantage of the system is that it is more versatile since different digital signals with different sampling rates can be received or generated, allowing the system to interface with other systems requiring different digital formats.